

A²
flows through coils I-1 and I-2, all of the line contacts (i.e., IK1-1, IK1-2, IK1-3, IK2-1, IK2-2 and IK2-3) close and power is provided to hazard 52 (i.e., referring also to Fig. 5, power is provided to VFD 438 and controls 430 to drive motor 421 and each of stations 402 through 420). In addition, isolation contacts IK2-4 and IK1-5 are both open when coils I-1 and I-2 are energized.

IN THE CLAIMS

Please amend claim 22 as follows:

A³
22. (Amended) A safety switching system for use with a manufacturing line which includes a plurality of stations, the plurality of stations linkable to voltage supply lines at input nodes, each station having an access, the system for remotely facilitating electronic isolation of the plurality of stations and for indicating said isolation on an access by access basis, the system comprising:

a control configuration for selectively linking and delinking the voltage lines to and from the plurality of stations, respectively;

a grounding configuration for, when the voltage lines are delinked from the plurality of stations, linking the input nodes to ground;

a switch for each access that is positioned proximate each access, each switch positionable in at least a first position wherein the switch causes the control configuration to link the voltage lines to the plurality of stations and a second configuration wherein the switch causes the control configuration to delink the voltage lines from the plurality of stations; and

an indicator for each access that is positioned proximate each access, each indicator indicating electrical isolation of a corresponding station when a switch associated with the corresponding station is in the second position and the lines are grounded.
